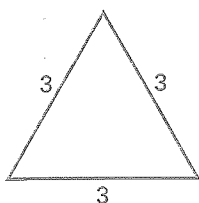


Practice A

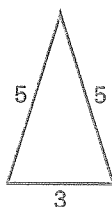
For use with pages 173–178

Match the triangle with its classification by sides.

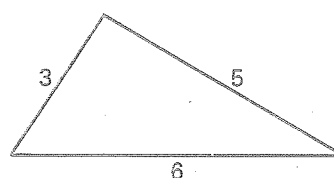
1.



2.



3.



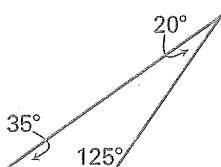
A. Isosceles Triangle

B. Scalene Triangle

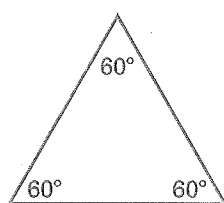
C. Equilateral Triangle

Match the triangle with its classification by angles.

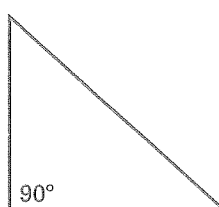
4.



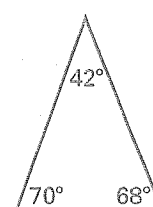
5.



6.



7.



A. Acute Triangle

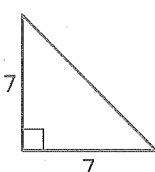
B. Equiangular Triangle

C. Obtuse Triangle

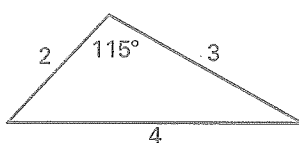
D. Right Triangle

Classify the triangle by its angles and by its sides.

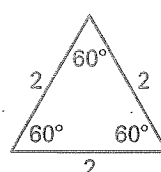
8.



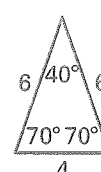
9.



10.

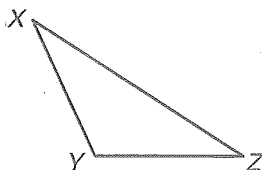


11.

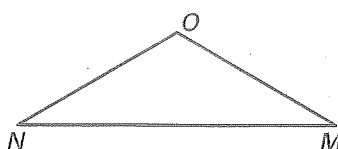


Name the side that is opposite the angle.

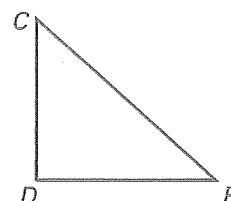
12. $\angle X$



13. $\angle M$



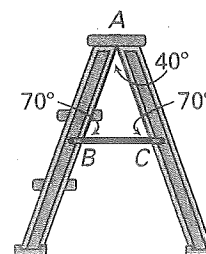
14. $\angle C$



The diagram at the right shows the side view of a stepladder. $\triangle ABC$ is formed by the legs and by the side brace of the stepladder.

15. Classify $\triangle ABC$ by its angles.

16. If $AB = 28$ in., $AC = 28$ in., and $BC = 16$ in., classify $\triangle ABC$ by its sides.

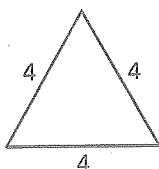


Practice B

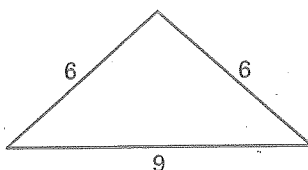
For use with pages 173–178

Classify the triangle by its sides.

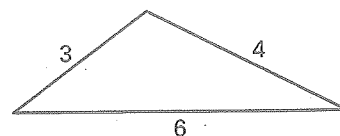
1.



2.

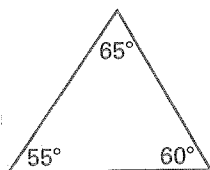


3.

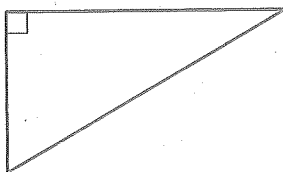


Classify the triangle by its angles.

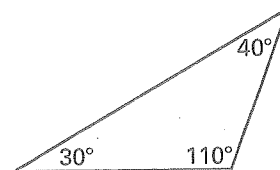
4.



5.

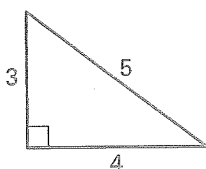


6.

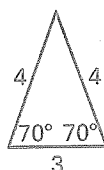


Classify the triangle by its angles and by its sides.

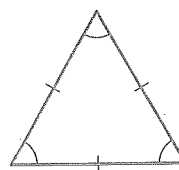
7.



8.



9.



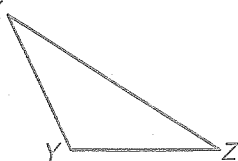
Match the triangle description with the most specific name.

10. Side lengths: 6 cm, 7 cm, 8 cm
11. Side lengths: 9 cm, 10 cm, 9 cm
12. Angle measures: 35°, 55°, 90°
13. Angle measures: 13°, 27°, 140°
14. Angle measures: 59°, 60°, 61°

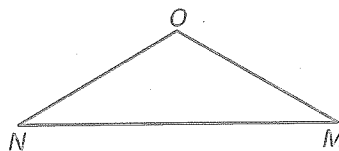
- A. Isosceles
- B. Obtuse
- C. Acute
- D. Right
- E. Scalene

Identify which side is opposite each angle.

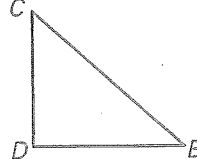
15. X



16.



17. C



In Exercises 18 and 19, use the notebook binder at the right.

18. Use the lengths shown to classify the triangle formed by the bottom edges of the binder by sides.
19. If the triangle formed by the bottom edges of the binder has angles that measure 86°, 86°, and 8°, classify the triangle by angles.

